

Product sheet

SK-MEL-1 | 300424

SK-MEL-1

<b>Description</b>	SK-MEL-1 (SK-MEL-1) Cytion 300424
<b>Organism</b>	SK-MEL-1
<b>Tissue</b>	SK-MEL-1
<b>Disease</b>	SK-MEL-1
<b>Metastatic site</b>	SK-MEL-1
<b>Synonyms</b>	SK-Mel-1, SK Mel 1, SK-Mel 1, SK-Mel1, SKMEL-1, SkMEL-1, SKMEL1, SK 1

SK-MEL-1

<b>Age</b>	29 SK-MEL-1
<b>Gender</b>	SK-MEL-1
<b>Ethnicity</b>	SK-MEL-1
<b>Morphology</b>	SK-MEL-1
<b>Growth properties</b>	SK-MEL-1

SK-MEL-1

<b>Citation</b>	SK-MEL-1 (SK-MEL-1) Cytion 300424
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_0068

SK-MEL-1

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**Antigen expression** HLA A, Rh+. CD45 63% CD117 10% CD133 100%

**Isoenzymes** PGM3, 1, PGM1, 1, ES-D, 1, AK-1, 1, GLO-1, 1-2, G6PD, B,

**Tumorigenic** Yes, tumorigenic in immunodeficient mice. Inoculation of 10^6 cells into immunodeficient mice results in tumor formation.

**Products** SK-MEL-1

**Mutational profile** V600E BRAF mutation. Genomic DNA (qPCR, RT-PCR) and protein (Western Blot)

**SK-MEL-1**

**Culture Medium** RPMI 1640, w: 2.1 mM Glutamine, w: 2.0 g/L NaHCO3 (Cytion 820700a)

**Supplements** 15% FBS

**Dissociation Reagent** Trypsin

**Subculturing** 5-6 passages

**Split ratio** 1:2 to 1:4

**Seeding density** 2 x 10^5 cells/cm^2

**Fluid renewal** 2-3 times per week

**Freeze medium** FBS + 10% DMSO

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**Thawing and Culturing Cells**

1. Thaw the cells quickly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed medium. Incubate at 37°C with 5% CO<sub>2</sub> in a humidified atmosphere.
3. Monitor the cell growth and confluency. Once the cells reach 70-80% confluency, they can be used for experiments.
4. Harvest the cells by trypsinization. Seed the cells into a pre-warmed medium.
5. Incubate the cells at 37°C with 5% CO<sub>2</sub> in a humidified atmosphere.
6. Monitor the cell growth and confluency. Once the cells reach 70-80% confluency, they can be used for experiments.
7. Harvest the cells by trypsinization. Seed the cells into a pre-warmed medium.
8. Incubate the cells at 37°C with 5% CO<sub>2</sub> in a humidified atmosphere.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified atmosphere

**Flask Coating** Not required

**Freezing Procedure** Harvest cells by trypsinization. Resuspend cells in freezing medium. Store at -80°C.

**Shipping Conditions** Store at -80°C. Ship on dry ice.

**Storage Conditions** Store at -150°C for up to 196 months.

SK-MEL-1 / SK-MEL-2 / HLA

**Sterility** The cells are provided in a sterile, cryoprotected medium. PCR screening is recommended to ensure the identity and purity of the cells.

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**STR**

**Amelogenin:** x,y  
**CSF1PO:** 12,13  
**D13S317:** 11  
**D16S539:** 11,12  
**D5S818:** 12,13  
**D7S820:** 12  
**TH01:** 6  
**TPOX:** 11  
**vWA:** 16,17  
**D3S1358:** 14,16  
**D21S11:** 29,32.2  
**D18S51:** 13,16  
**Penta E:** 7,21  
**Penta D:** 11,13  
**D8S1179:** 13,16  
**FGA:** 18,2

**HLA**

**A\*:** '26:01:01  
**B\*:** '35:01:01, '38:01:01  
**C\*:** '04:01:01, '12:03:01  
**DRB1\*:** 04:02:01  
**DQA1\*:** 03:01:01  
**DQB1\*:** 03:02:01  
**DPB1\*:** 04:01:01  
**E:** '01:01:01, '01:03:01